Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Detailed Estimate for the work of Establishment of RO Plant near Mutturaya Swamy Tempal Prashanthnagara in Ward No.13, in Shettyhalli Sub Division. | **Estimate Cost Rs.** | **1500000.00**

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	A) CIVIL WORK								
	KSRB 2-1.1: Earth work in surface excavation in hard soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.2/ PWD SR 2016-17	**cum**							
	levelling and lowering		1	8.00	4.00	0.30	9.60		
							9.60	**237.60**	**2281.00**
	Basic Rate	220.00							
	Area Weightage @ 8%	17.60							
	Total	**237.60**							
2	KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2016-17	**cum**							
	columns		4	1.00	1.00	1.20	4.80		
	long wall		2	7.00	0.90	1.00	12.60		
	short wall		3	3.10	0.90	1.00	8.37		
							25.77		
	Deduction columns		4	1.00	0.90	1.00	3.60		
							22.17	**305.64**	**6776.00**
	Basic Rate	283.00							
	Area Weightage @ 8%	22.64							
	Total	**305.64**							

Scanned by CamScanner

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
3	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 141 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 134 (SR 2016-17)	cum							
	Basic Rate for loading and unloading	68.00	Vide Item No. 1				31.77	74.40	2364.00
	Basic Rate for Haulage upto 2.00 k.m =1.28 X 2.20 X 4	6.40							
		74.40							
4	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2016-17	Cum							
	columns		4	1.00	1.00	0.15	0.60		
	long wall		2	7.00	0.90	0.15	1.89		
	short wall		3	3.10	0.90	0.15	1.26		
	inside		1	7.00	4.00	0.15	4.20		
	flatform		1	2.00	9.00	0.10	1.80		
							9.75		
	Deduction columns		4	1.00	0.90	0.10	0.36		
							9.39	5256.36	49334.00
	Basic Rate	4867.00							
	Area Weightage @ 8%	389.36							
	Total	5256.36							

Scanned by CamScanner

No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
5	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed 2008 machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17	Cum							
	columns		4	0.30	0.30	5.20	1.87		
	footings		4	1.00	1.00	0.40	1.60		
	plinth beam		2	7.00	0.45	0.20	1.26		
			3	4.00	0.45	0.20	1.08		
	lintel		2	7.00	0.20	0.12	0.34		
			3	3.70	0.20	0.12	0.27		
	for chajja		2	0.60	0.60	0.075	0.05		
			1	4.00	0.60	0.075	0.18		
	inside		1	7.00	4.00	0.10	2.80		
	flat form		1	2.00	9.00	0.10	1.80		
			1	3.00	1.50	0.23	1.04		
							12.28	**6491.88**	**79742.00**
	Basic Rate	6011.00							
	Area Weightage @ 8%	480.88							
	Total	**6491.88**							
6	KSRB 5.2.3 Providing and constructing granite / trap / basalt rubble stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2016-17	Cum							
	long walls		2	7.90	0.75	0.20	2.37		
	short wall		3	3.10	0.75	0.20	1.40		
			2	7.60	0.60	0.40	3.65		
			3	3.40	0.60	0.40	2.45		
							9.86	**4521.96**	**44591.00**
	Basic Rate	4187.00							
	Area Weightage @ 8%	334.96							

Scanned by CamScanner

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	**4521.96**							
	KSRB 5.3.3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m apart in each course including cost of materials, labour, curing complete as per specifications KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2016-17	**Cum**							
	long walls		2	7.45	0.45	0.40	2.68		
	short wall		3	3.55	0.45	0.40	1.92		
							4.60	**5405.40**	**24859.00**
	Basic Rate	5005.00							
	Area Weightage @ 8%	400.40							
	Total	**5405.40**							
8	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 113/ Item No. 15.1 PWD SR 2016-17	**sqm**							
	long walls		2	7.45		0.500	7.45		
	short wall		3	3.55		0.500	5.33		
							12.78	**104.76**	**1338.00**
	Basic Rate	97.00							
	Area Weightage @ 8%	7.76							
	Total	**104.76**							
9	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No. KBS 2.9, No. 6/ Item No. 2.10/ PWD SR 2016-17	**Cum**							
			1	7.00	4.00	0.500	14.00		
							14.00	**137.16**	**1920.00**
	Basic Rate	127.00							
	Area Weightage @ 8%	10.16							
	Total	**137.16**							

Scanned by CamScanner

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2016-17								
	for columns	sqm							
	plinth beam	4x4	16	0.45		6.000	43.20		
		2x2	4	7.00		0.200	5.60		
	lintel	3x2	6	4.00		0.200	4.80		
		2x2	4	3.70		0.200	2.96		
		2x2	4	4.00		0.200	3.20		
							59.76	**276.48**	**16522.00**
	Basic Rate	256.00							
	Area Weightage @ 8%	20.48							
	Total	**276.48**							
11	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.37/ PWD SR 2016-17	sqm							
	for chajja		1	4.00		0.600	2.40		
			2	0.60		0.600	0.72		
							3.12	**291.60**	**910.00**
	Basic Rate	270.00							
	Area Weightage @ 8%	21.60							
	Total	**291.60**							
12	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 25/ Item No. 5.27/ PWD SR 2016-17	sqm							
	walls		2	7.00		3.50	49.00		
			3	3.70		3.50	38.85		
							87.85		
	deduction Ventilator		2	0.60		0.60	0.72		
			1	4.00		3.50	14.00		
							14.72		
							73.13	**1011.96**	**74005.00**
	Basic Rate	937.00							

Scanned by CamScanner

No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	74.96							
	Total	**1011.96**							
13	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46/PWD SR 2016-17 - Kg 70	Quintal		6.65					
	70kg/cum		0.700	**6.65**			4.65		
							4.65	~~6053.40~~	**28172.00**
	Basic Rate	~~5605.00~~							
	Area Weightage @ 8%	~~448.40~~							
	Total	**~~6053.40~~**							
14	KSRB 15.3.1 : Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever reuired smooth rendering, : Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications. Page No. 113/ Item No. 15.11/ PWD SR 2016-17	sqm							
	internal and external plastering	2x2	4	3.50		4.00	56.00		
			4	2.00		4.00	32.00		
							88.00		
	deduction Ventilator	2x2	4	0.60		0.60	1.44		
	Glass door		1	4.00		3.50	14.00		
							72.56	**162.00**	**11755.00**
	Basic Rate	150.00							
	Area Weightage @ 8%	12.00							
	Total	**162.00**							
15	FIXTURES for doors and windows Page No XIV SR 2015-16								
	VENTILATORS Sl No 395,385,402,386								
	Hinges 5" heavyduty	Each	1	4			4	**37.00**	**148**
	bottom lock nail	Each	2	5			10	**47.00**	**470**
	MS Clamps	Each	2	4			8	**38.00**	**304**
	Brass screws 25mm	Each	10	5			50	**2.10**	**105**

Scanned by CamScanner

No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
16	Providing and fixing single shutter glass door of 12mm thick plain Toughened glass (Saint Gobain,Modi float).The door is fixed by using any approved make hardware fitting like patch fitting, pivot,Floor machine, locking arrangements and suitable SS door rails withFloral glass etching for 1/3 portion of door area etc complete. The rate includes cost of all materials, labour, hire of tools & machineries, and as per specification. Page No.322/ Item No. 39.5 / PWD SR 2016-17	sqm							
			1	4.00		2.50	10.00		
							10.00	**10962.00**	**109620.00**
	Basic Rate	10150.00							
	Area Weightage @ 8%	812.00							
	Total	**10962.00**							
17	KSRB 14.13.1.: Providing precast chequered mosaic tiles dark shade using ordinary grey cement for steps and flooring, with precast 20mm thick, using marble chips of approved colour 7 to 10 nominal size laid in floors, steps and landings on a bed of 12mm thick cement mortar 1:6, mix, jointed with neat cement slurry mix with pigment to match the shade of tiles curing, rubbing, polishing , oxalic acid wash, wax polish, including cost of materials, labour, HOM machinery complete as per specifications. Page No.105/ Item No. 14.28 PWD SR 2016-17	sqm							
			1	4.00		2.50	10.00		
							10.00	**1049.76**	**10498.00**
	Basic Rate	972.00							
	Area Weightage @ 8%	77.76							
	Total	**1049.76**							
18	Providing and laying flooring using pre polishing water cut/gang saw 19 mm thick Granite slab over existing cement concrete bed in CM 1:4 at 20mm thick (average) pointed with white cement/ colour pigment etc., complete. Page No. 107/ Item No. 14.47.2 / black granite width not less than 900 mm PWD SR 2015-16	sqm							
			2	4.00		0.60	4.80		
							4.80	**2439.06**	**11707.00**
	Basic Rate	2301.00							
	Area Weightage @ 6%	138.06							
	Total	**2439.06**							

Scanned by CamScanner

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
19	Providing and fixing Special make glazed Vitrified tiles (Granomite finis) of approved make, quality and colour of sized 6000x600x10mm thick fixed on existing flooring wit ha special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. Page No. 107/ Item No. 14.44 / PWD SR 2016-17	sqm							
			1	3.50		4.00	14.00		
							14.00	**1154.52**	**16163.00**
	Basic Rate	1069.00							
	Area Weightage @ 8%	85.52							
	Total	**1154.52**							
20	KSRB 15-17.2: Applying priming coat over new wood surface and / or wood based surface after brushing with wood primer pink paint including preparing the surface after thoroughly cleaning oil, grease, dirt, and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications. Page No. 118/ Item No. 15.56 / PWD SR 2016-17	sqm							
	doors	1x2	2	4.00		4.00	32.00		
	window	2x2	4	0.60		0.60	1.44		
							33.44	**38.88**	**1300.00**
	Basic Rate	36.00							
	Area Weightage @ 8%	2.88							
	Total	**38.88**							
21	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. Page No.119 / Item No. 15.60.1 / PWD SR 2016-17	qty same as item no					33.44		
							33.44	**90.72**	**3034.00**
	Basic Rate	84.00							
	Area Weightage @ 8%	6.72							
	Total	**90.72**							

Scanned by CamScanner

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
22	KSRB 15.15.1: Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth cost of materials, labour, complete as per specifications. with primer. Page No.117/ Item No. 15.51.2 / PWD SR 2016-17	sqm							
		qty same as item no					33.44		
							33.44	**97.20**	**3250.00**
	Basic Rate	90.00							
	Area Weightage @ 8%	7.20							
	Total	**97.20**							
23	KSRB 15-16 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. with primer,page No.118 item No.15.53.2/PWD SR 2016-17								
		qty same as wall plastering					10.00		
							10.00	**90.72**	**907.00**
	Basic Rate	84.00							
	Area Weightage @ 8%	6.72							
	Total	**90.72**							
24	POP Sheets corogated roof Sheets nut bolts including labour charges etc complete	Sqm							
			1	4.00			4.00	16.00	
							16.00	**1200.00**	**19200.00**
25	G.I. Roof sheets fixing and complete including labour charges	Sqm							
			1	4.00			3.00	12.00	
							12.00	**600.00**	**7200.00**
26	Steel Pre fabricates structure with a 14 Guage (3)" each 60 kg including cutting and transportation complete	kgs							
			8	18.00			144.00		
							144.00	**95.00**	**13680.00**
								A) TOTAL	**542155.00**

Scanned by CamScanner

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	B) Electrification,wiring and lighting etc to RO Plant								
1 P.No-5 I.No-2.3	Point wiring using Copper wire with switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet. GROUP A KPWD ELectrica SR for 2014-15								
	2.3.1) Short point upto 3Mtr from tapping point to out let via switch box	Point	2				2.00	144.00	**288.00**
	2.3.2) Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box	Point	2				2.00	215.00	**430.00**
	2.3.3) Long point above 6Mtr upto 10Mtr from tapping point to out let via switch box	Point	2				2.00	334.00	**668.00**
2 P.No-02 I.No-1.1	Open Conduit System Supplying heavy gauge PVC conduit pipe .....dia .....mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.1.1.1) 19/20mm dia 2mm thick	mtr	15				15.00	54.00	**810.00**
3 P.No-6 I.No-2.5	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A.	Mtr	35				35.00	18.60	**651.00**
	2.5.2) 1.5 sqmm.	Mtr	35				35.00	13.00	**455.00**
	2.5.1) 1 sqmm.	Mtr	35				35.00	29.20	**1022.00**
	2.5.3) 2.5 sqmm.	Mtr	70				70.00	42.10	**2947.00**
	2.5.4) 4 sqmm.								
4 P.No 3 I.No-1.6	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, Finishing with necessary cement plastering complete	Each	2				2.00	87.00	**174.00**
	1.6.3) 10"x7"x3" (254x178x76mm)	Each	1				1.00	73.00	**73.00**
	1.6.4) 8"x6"x3" (203x152x76mm)	Each	1				1.00	116.00	**116.00**
	1.6.1) 12"x12"x3" (300x300x76mm)								
5 P.No 17 I.No-3.9	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc., and fixing on existing wooden or metal box using N.F. screws.	Sqcm	1225				1225.00	0.25	**306.25**

Scanned by CamScanner

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
15 I.No-3.8	Supplying and fixing/replacing of 6/16/32Amps electrical accessories on existing switch board. GROUP A								
	3.15.1) 6Amps SP Switch	nos	1				1.00	35.00	**35.00**
	3.15.3) 6Amps 3 way 5 pin Socket	nos	1				1.00	53.00	**53.00**
	3.15.6) 6 Amps lamp holder	nos	3				3.00	48.00	**144.00**
	3.15.13) 16/6 Amps combined plug and socket with control switch	nos	3				3.00	268.00	**804.00**
7 P.No 16 I.No-3.7	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP B 3.7.18) 1000-1200Watts Dimmer	Each	1				1.00	447.00	**447.00**
8 P.No 54 I.No-6.2	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6.16.1) 5-32Amps SP	Each	1				1.00	418.00	**418.00**
9 P.No 55 I.No-7.1	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12.2 mm dia	No	1				1.00	2727.00	**2727.00**
10 P.No 44 I.No-6.7	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 6.7.1) 16Amps	Each	1				1.00	120.00	**120.00**
11 16/3	Supply patty type fluorescent tube light fitting of 4'-36/40 watts fluorescent tube fitting, made out of M.S sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking type brass contact holders mounted on double fold type sheet base fully wired for use on230 Volts A C Supply including 1No 4'-36/40 Watts fluorescent tube. c) Group 'C' KPWD SR (Ele) 2010-11	Each	5				5.00	340.00	**1700.00**

Scanned by CamScanner

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
114 I.No-17.7	Fixing all types and all capacities of fluorescent / false ceiling / spot light / CFL / LED fittings indoor on the wall / ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps. 17.7.1) On wall / ceiling / Rafter / Girders	Each	5				5.00	98.00	490.00
13 65/1	SHORT POLES: (whereas clearance between Messenger wire and ground is inadequate) a) Supplying and fixing 40mm diat 2.90 thick GI pipe 1.8m long complete with atleast 2 GI pipe 1.8m, long complete with atleast 2 Nos of through bolts 12 mm dia with MS back plate 100x100x6mm dia with eye bolt fixed at top deadeninding messenger wire with masonary patch work etc., complete as per approved drawing (for single phase installations) PWD SR 2007-08	Each	1				1.00	525.00	525.00
14 65/5	INSULATED CABLE ON MESSENGER WIRE Using 2 single core wires for a single phase and 4 single core wires for 3 phase. Supplying and stringing PVC insulated and PVC sheathed 650/1100V class aluminium conductor of size supported by 3.15mm (10 SWG) GI messenger wire with two break insulators one at each end of the span with suspenders at intervals of 0.75m. Each suspender shall be of porcelain reel insulator of suitable core through which insulated wire passes(single core or twin core as the case may be) and this reel insulator shall be fixed to the messenger wire using 2mm (No.14SWG) GI wire suitably bent and twisted. Separate reely insulator shall be provided for each wire, the messenger wire shall be ded-ended on the clamp provided to the departmental pole wide item No.4 above.(Page No.56 item No.5 a)Single Phase using 2 Wire e) 16 Sqmm	R mtr	30				30.00	85.00	2550.00
									3047.00
								B) TOTAL	21000.00
	BESCOM DEPOSIT CHARGE								
	C) 10000LPD R. O Plant Quotation								
	RAW WATER PUMP :								
	Quantity	1 No.							
	Type	Centrifugal mono block							
	MOC & Make	UKL							
	Motor Rating	0.75 HP							
	PRESSURE SAND FILTER :								
	Quantity	1 No.							
	Capacity	1000 LPH							
	MOC & Make of housing	UKL							
	MOC & Make of cartridge	UKL							
	Capacity	1000 LPH							

Scanned by CamScanner

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
MOC & Make of vessel	UKL							
Diameter	400 mm							
Type of Valve	Single - multiport							
Media	Support bed + sand							
MICRON CARTRIDGE FILTER :								
Quantity	1 set							
Filter Rating	5 microns							
Size	20" long							
ANTISCALANT DOSING PUMPS :								
Quantity	1 No.							
Type	Electro - magnetic							
Capacity	1.5 LPH @ 4 Bar							
Dosing Tank	HDPE - 50 ltr							
HIGH PRESSURE PUMP :								
Quantity	1 No.,							
Capacity	1700 LPH							
Type of Pump	Vertical Multistage Centrifugal Pump							
MOC	SS 304							
Motor Rating	2 HP, 3 Phase							
Maximum Pressure	12 kg / cm2							
Make	UKL							
RESERVE OSMOSIS SYSTEM :								
Quantity	1 No.							
Capacity	1000 LPH							
Module Type								
Membrane Specifications {Polyamide}								
Make of Membrane	UKL							
No. of Membranes								
UV STERILISER								
Max. Treatment Flow	1 m3/hr							
No. of Lamps	1 No.							
Wattage	39W							
Efficiency	99.99%							
Material of construction	SS 304							
PRODUCT WATER QUALITY :								
Appearance	Crystal Clear							
Abide by the ISO standards	Yes							
S S Tank : 304 grade with 16 gauge 2000 Liters capacity								
304 grade 10 gauge SS Pipe{with steam valve} 25 ft								
COIN BOOTH DISPENSING UNIT for 5 liters & 20ltrs separately								
Raw Water Storage Tank	Function – For storage of raw water							

Scanned by CamScanner

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
Type/ MOC	Two/Three Layered PE tanks white / transparent in color made from virgin material of Food Grade Quality, suitable for the purpose of providing Storage drinking / potable water. 5000liters capacity.							
BBMP Approved Rate		1	936000.00			C) TOTAL		936000.00
								1499155
				GRAND TOTAL A+B+C				1496777.00
Miscelaneous and rounding off.								3223.00 845
							TOTAL	1500000.00

(Rupees Fifteen Lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.

2 The Estimate is prepared as per the PRED SR 2016-17 and PW,P & IWTD SR 2013-14 and BWSSB Electrical SR 2013-14

3 The provisions were made in this estimate are necessary and adequate.

4 This works come under B.B.M.P. limits.

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ನಂ. EE/DZ/AS/51/16-17 ದಿನಾಂಕ: 09/01/17
ರೂ. Rs. fifteen lakhs only/-
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಯವ್ಯಯಾಂತ್ಯದ
ದಾಸರಹಳ್ಳಿ

ನಂ. EE/DZ/TS/80/16-17 ದಿನಾಂಕ: 10.01.17
ರೂ. Fifteen Lakhs only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಲಯ

Cancelled.

As per note Approved by CE(DZ) dt: 22.8.17 wide page no-13 page-51

EE

Scanned by CamScanner

155 - DASARAHALLI AC

BRUHAT BANGALORE MAHANAGARA PALIKE
WARD : 13 - MALLASANDRA

INDEX

- PROPOSED WARD BOUNDARY
- RIVER/ DRAIN
- RAILWAY LINE
- ROAD

NOTIFICATION NO. UDD 59 MLR 2009. DATE. 15.07.2009

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

Scanned by CamScanner